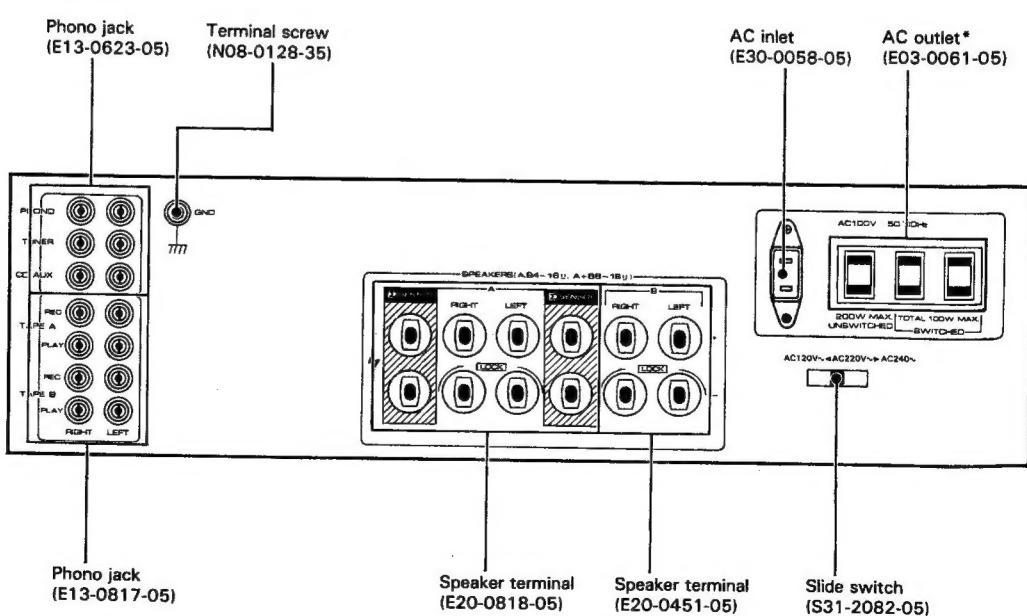
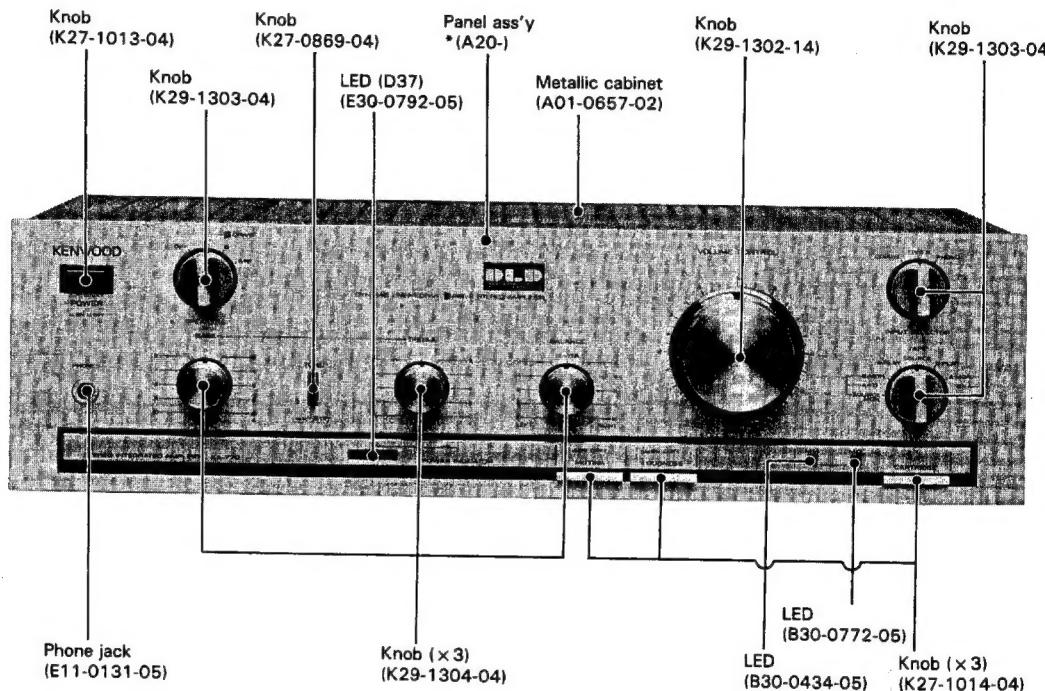


KENWOOD

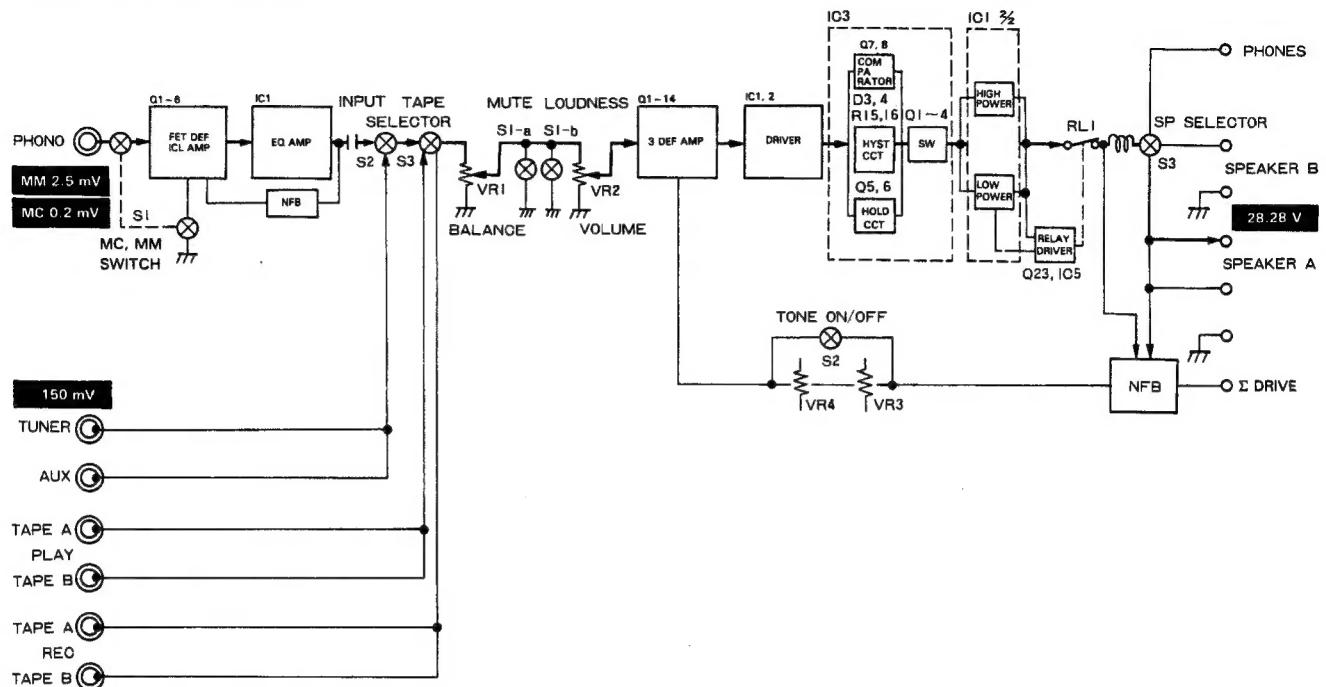
KA-770

DYNAMIC LINEAR DRIVE Σ DRIVE
STEREO INTEGRATED AMPLIFIER

* Refer to Parts List on page 6.

BLOCK/LEVEL DIAGRAM & ADJUSTMENT

BLOCK/LEVEL DIAGRAM



ADJUSTMENT

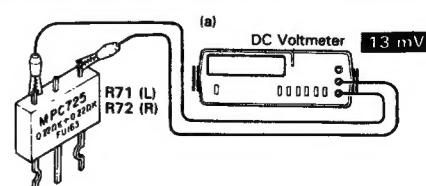
NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	IDLE CURRENT	—	Connect a DC voltmeter across R71 (L) R72 (R)	SPEAKER : OFF VOLUME : 0	VR5 (L) VR6 (R)	13 mV	(a)

REGLAGES

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DE L'AMPLIFICATEUR	POINTS L'ALIGNEMENT	ALIGNER POUR	FIG.
1	REGLAGE DU COURANT DE POLARISATION	—	Connecter un voltmètre CC sur R71 (D) R72 (G)	SPEAKER : OFF VOLUME : 0	VR5 (D) VR6 (G)	13 mV	(a)

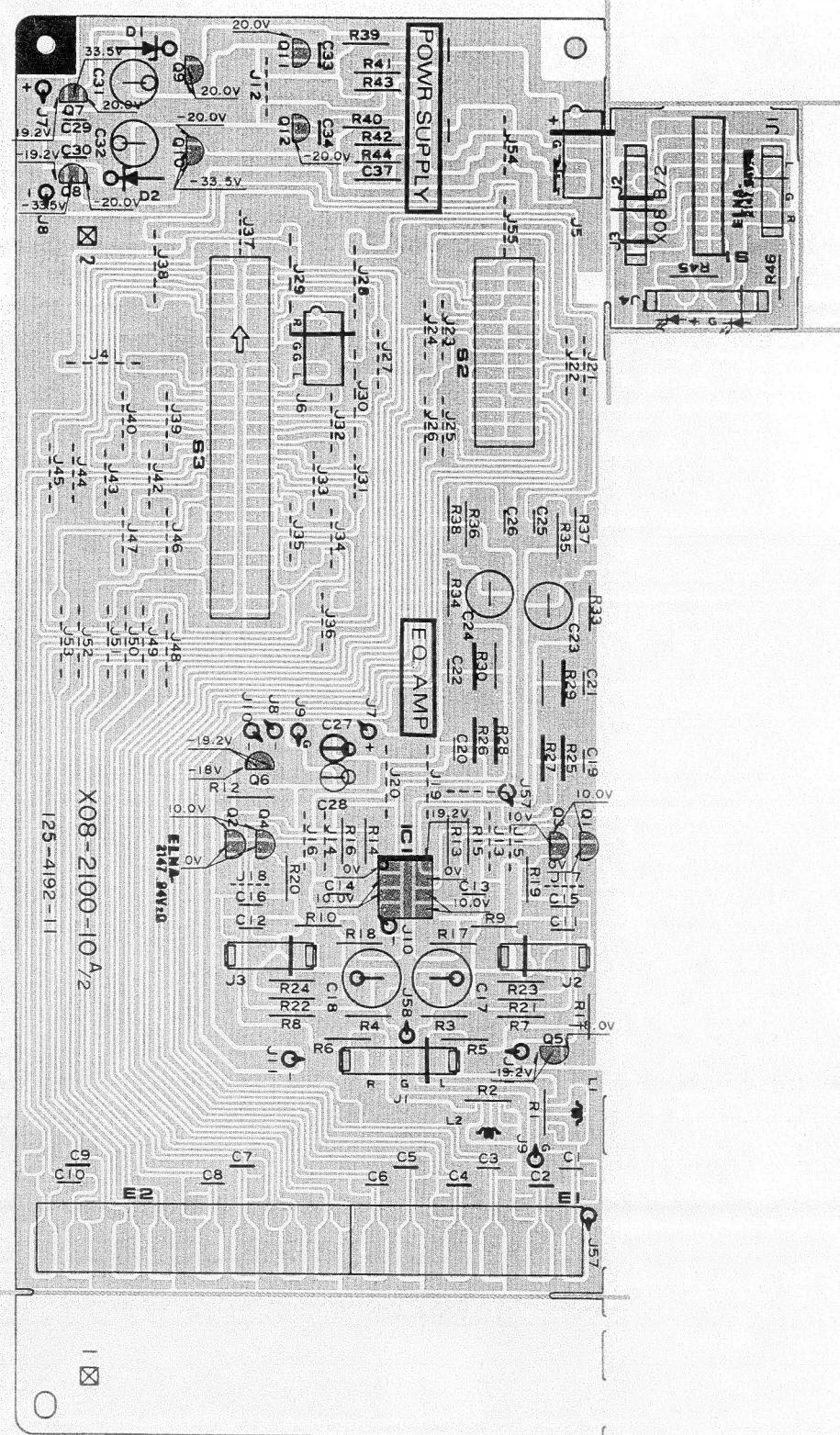
ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	VORSTÄRKER EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
1	LEERLAUFSTROM	—	Einen Gleichspannungsmesser über R71 (L) R72 (R) anschließen	SPEAKER : OFF VOLUME : 0	VR5 (L) VR6 (R)	13 mV	(a)



PC BOARD

PREAMPLIFIER UNIT (X08-2100-10) Component side view

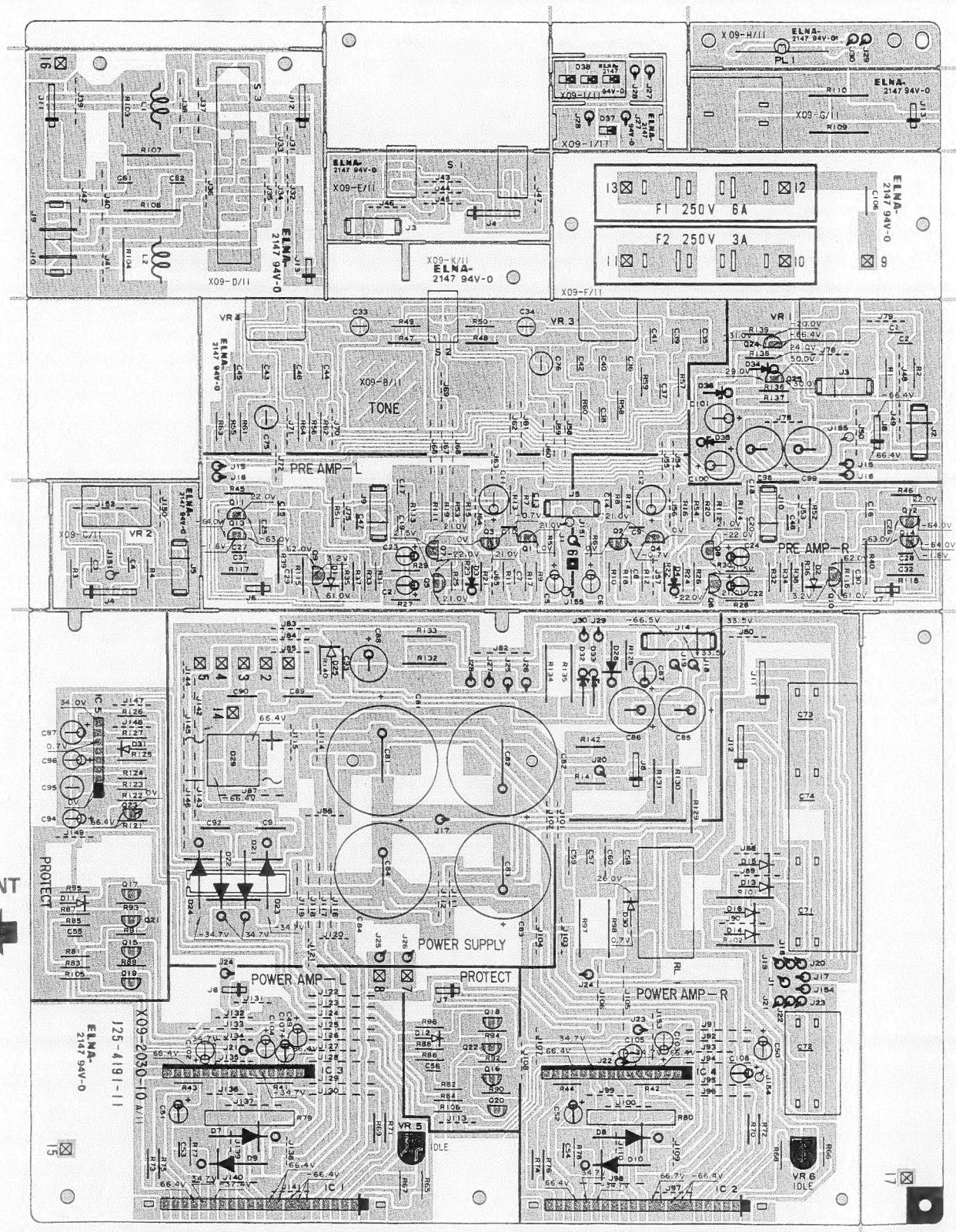
FRONT 

Refer to the schematic diagram for the values of resistors and capacitors.
The PC board drawing is viewing from the side easy to check.

KAVO

PC BOARD

AUDIO UNIT (X09-2030-10) Component side view

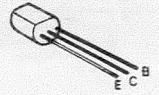


Refer to the schematic diagram for the values of resistors and capacitors. The PC board drawing is viewing from the side easy to check.

KENWOOD

DYNAMIC LINEAR DRIVE DRIVE STEREO INTEGRATED AMPLIFIER

2SA1124 2SC2320
2SA733 (A) 2SC2631
2SA888 2SC2632
2SA999 2SC945 (A)
2SC1845



2SD571



2SA1110 2SC2590



2SK105 2SK163
2SK105A 2SK170
2SK105A 2SK301
2SK163 2SK301



NJM4560D-N



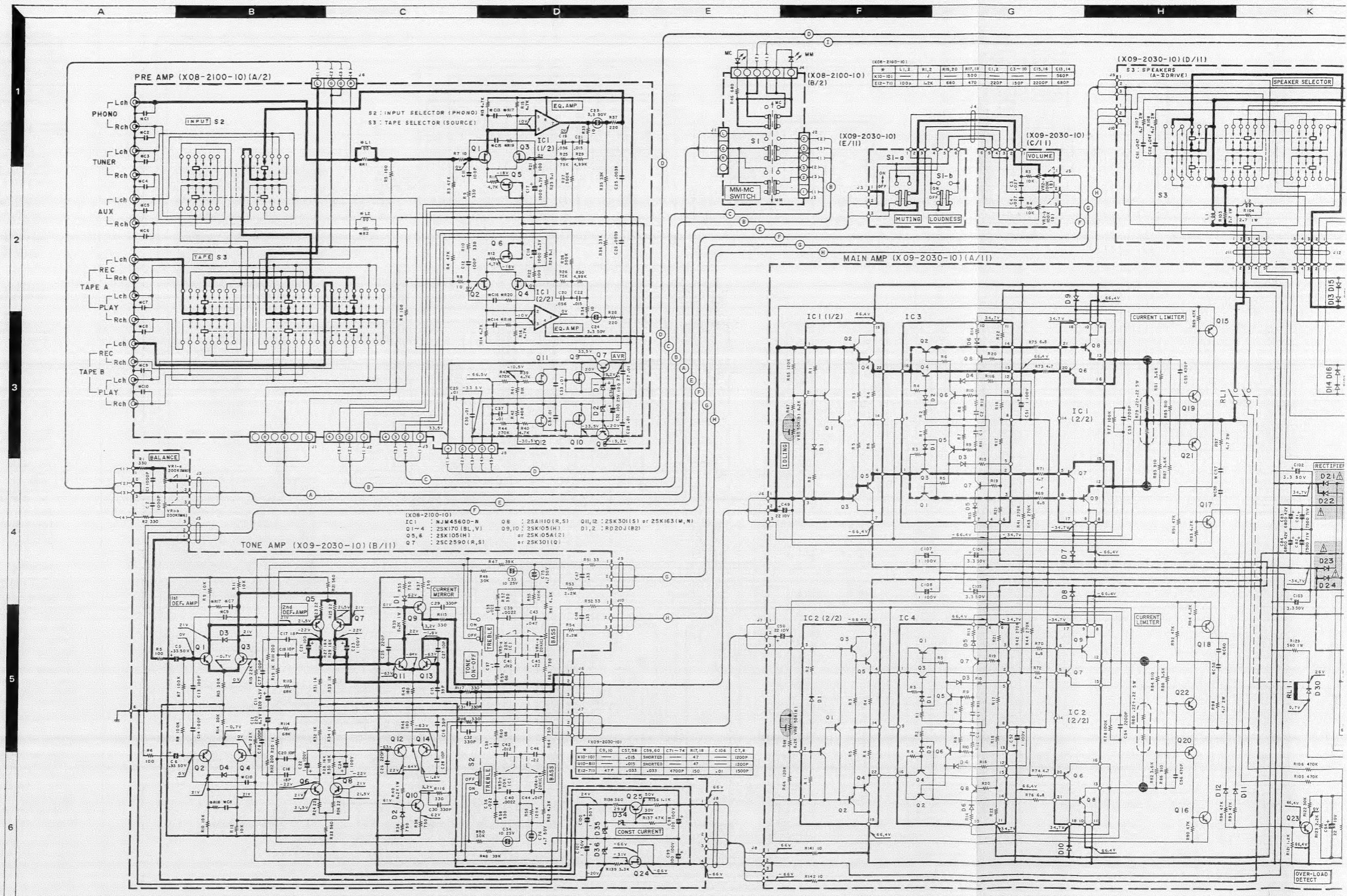
UPC1237H



TA2030



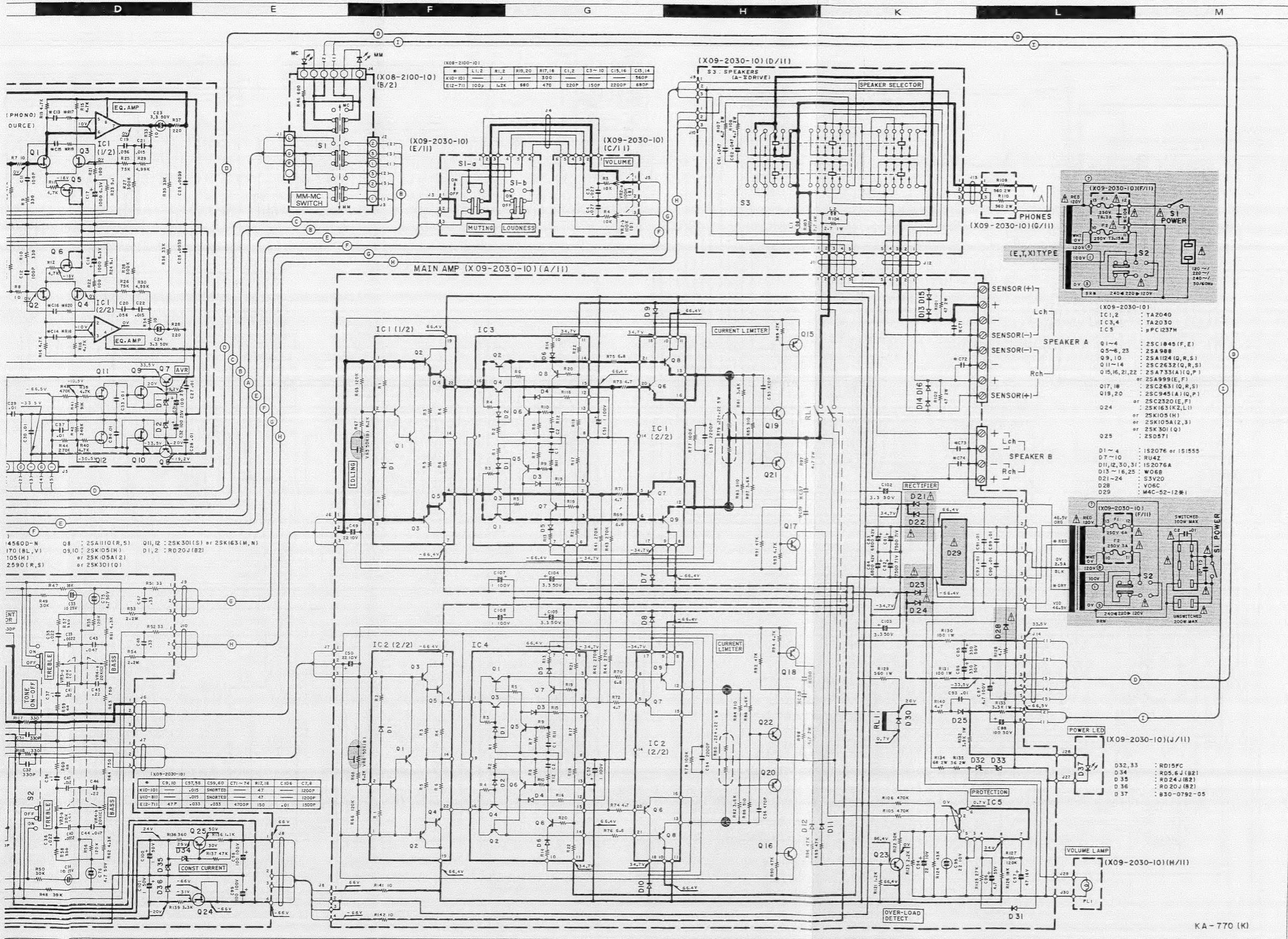
TA2040



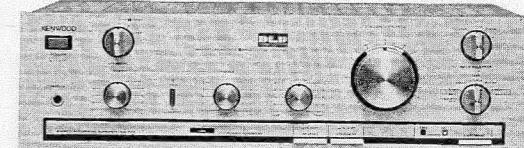
CAUTION: For continued safety, replace safety critical components (safety critical components. To reduce the risk of electric shock, leave acceptably insulated from the supply circuit) before the appliance is reconnected.

DYNAMIC LINEAR DRIVE Σ DRIVE STEREO INTEGRATED AMPLIFIER

KA-770



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



Specifications

Power Amplifier Section

Power Output
100 watts* per channel minimum RMS, both channels driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.007% total harmonic distortion.

Both Channels Driven into 8 ohms at 1 kHz 110 W + 110 W
Dynamic Power Output into 4 ohms 560 W

Total Harmonic Distortion (20 Hz to 20,000 Hz)
CD/AUX Input to SPEAKER output 0.007% at rated power into 8 ohms
0.007% at 1/2 rated power into 8 ohms

Intermodulation Distortion (60 Hz - 7 kHz = 4:1) 0.007% at rated power into 8 ohms

Damping Factor 1,000, at 50 Hz
Frequency Response 8 Hz to 150 kHz, -3 dB

Input Sensitivity/Impedance
Phono MM 2.5 mV/47 k ohms
Phono MC 0.2 mV/100 ohms

Tuner, CD/AUX, Tape 150 mV/47 k ohms

Signal-to-Noise Ratio (IHF, A)
Phono MM 86 dB for 2.5 mV input
Phono MC 69 dB for 0.25 mV input

Tuner, CD/AUX, Tape 107 dB for 150 mV input

Maximum Input Level for Phone
MM 200 mV (RMS), at 1,000 Hz
MC 15 mV (RMS), at 1,000 Hz

Output Level/Impedance
Tape REC (Pin) 150 mV/330 ohms

Frequency Response for Phono RIAA standard curve ± 0.3 dB (30 Hz to 20,000 Hz)

Tone Control
Bass ± 10 dB at 100 Hz
Treble ± 10 dB at 10 kHz

Loudness Control (at -30 dB VOLUME Level) ± 10 dB at 100 Hz

General
Power Consumption 3 A (U/CSA)

AC Outlets Switched 2, Unswitched 1
Dimensions W: 420 mm (16-1/32")
H: 128 mm (5-1/32")
D: 338 mm (13-5/16")

Weight (Net) 8.7 kg (19.2 lb)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕向	Re- marks 備考
△ 16	1B	*	L01-3196-05	POWER TRANSFORMER		
△ 17	1D		N08-0128-35	TERMINAL SCREW (GND)		
△ 18	1C	*	S31-2082-05	SLIDE SWITCH (POWER)		
△ S1	2B		S40-1073-05	PUSH SWITCH (POWER)		
PREAMPLIFIER UNIT (X08-2100-10)						
C1			CC45FSL1H221J	CERAMIC 220PF	J	XTE
C2			CC45FSL1H221J	CERAMIC 220PF	J	XTE
C3			CC45FSL1H151J	CERAMIC 150PF	J	XTE
C4	,5		CC45FSL1H151J	CERAMIC 150PF	J	XTE
C6			CC45FSL1H151J	CERAMIC 150PF	J	XTE
C7			CC45FSL1H151J	CERAMIC 150PF	J	XTE
C8			CC45FSL1H151J	CERAMIC 150PF	J	XTE
C9			CC45FSL1H151J	CERAMIC 150PF	J	XTE
C10			CC45FSL1H151J	CERAMIC 150PF	J	XTE
C11	,12		C91-0088-05	POLYSTY 100PF	K	
C13	,14		CK45FB1H561K	CERAMIC 560PF	K	
C13	,14		CK45FB1H561K	CERAMIC 560PF	K	KPUM
C13	,14		CK45FB1H681K	CERAMIC 680PF	K	UE
C15	,16		CK45FB1H222K	CERAMIC 2200PF	K	XTE
C17	,18		CE04W0J102MEL	ELECTR0 1000UF	6.3WV	XTE
C19	,20	*	CF92FV1H563J	MF 0.056UF	J	
C21	,22		CF92FV1H153J	MF 0.015UF	J	
C23	,24		CE04HW1H3R3MEL	NP-ELEC 3.3UF	50WV	
C25	,26	*	CF92FV1H392J	MF 3900PF	J	
C27		*	CE04FW1H010MEL	ELECTR0 1.0UF	50WV	
C28			CE04FW1H010MEL	ELECTR0 1.0UF	50WV	
C29	,30		CF92FV1H103J	MF 0.010UF	J	
C31	,32		CE04FW1E101MEL	ELECTR0 100UF	25WV	
C33	,34		CK45FF1H103Z	CERAMIC 0.01UF	Z	
C37			CK45E2H103P	CERAMIC 0.01UF	P	
PJ1	2D	*	E13-0623-05	PHONO JACK (PHONO, TUNER, AUX) 6P		
PJ2	2D	*	E13-0817-05	PHONO JACK (TAPE A, B) 8P		
L1	,2		L40-1011-43	SMALL FIXED INDUCTOR		XTE
R17	,18	*	RD14BB2E301JTS	RD 300	J 2E	
R17	,18	*	RD14BB2E301JTS	RD 300	J 2E	KPUM
R23	,24	*	RD14BB2E9R1JTS	RD 9.1	J 2E	UE
R25	,26	*	RN14DK2E753J	RN 75K	J 2E	
R27	,28	*	RN14DK2E304J	RN 300K	J 2E	
R29	,30	*	RN14DK2E4991G	RN 4.99K	G 2E	
R42		*	RD14BB2E244JTS	RD 240K	J 2E	
S1	3C	*	S40-6021-05	PUSH SWITCH (MM/MC)		
S2	3C	*	S29-4016-05	ROTARY SLIDE SWITCH (INPUT)		
S3	3C	*	S29-6010-05	ROTARY SLIDE SWITCH (TAPE)		
D1	,2		RD20J(B2)	ZENER DIODE		
IC1			NJM4560D-N	IC		
Q1	-4		2SK170(BL,V)	FET		
Q5	,6		2SK105(H)	FET		
Q7			2SC2590(R,S)	TRANSISTOR		
Q8			2SA1110(R,S)	TRANSISTOR		
Q9	,10		2SK105(H)	FET		
Q9	,10		2SK105A(2)	FET		

E: Scandinavia & Europe

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P: Canada

△ indicates safety critical components.

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T: England

U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia

M: Other Areas

PARTS LIST

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Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕 向	Re- marks 備考
KA-770 (UNIT)						
1	1A	*	A01-0657-02	METALLIC CABINET		
2	3B	*	A20-3553-02	PANEL ASSY	KPUM	
2	3B	*	A20-3553-02	PANEL ASSY	UEXE	
2	3B	*	A20-3554-02	PANEL ASSY	T	
3	3B	*	B30-0434-05	LED (RED. MM) SLP-175D-50		
4	3B	*	B30-0772-05	LED (GRN. MC)	K	
--			B46-0092-03	WARRANTY CARD	P	
--			B46-0093-03	WARRANTY CARD	UE	
--			B46-0094-03	WARRANTY CARD		
--			B46-0095-03	WARRANTY CARD	UE	
--			B46-0096-03	WARRANTY CARD	X	
--			B46-0097-03	WARRANTY CARD	T	
--			B46-0098-03	WARRANTY CARD	E	
--		*	B50-4835-00	INSTRUCTION MANUAL	KPUM	
--		*	B50-4835-00	INSTRUCTION MANUAL	UE	
--		*	B50-4836-00	INSTRUCTION MANUAL	PMXE	
--		*	B50-4837-00	INSTRUCTION MANUAL	T	
--		*	B50-4838-00	INSTRUCTION MANUAL	E	
--		*	B50-4982-00	INSTRUCTION MANUAL	M	
--			B58-0221-04	CAUTION CARD	MXT	
--			B58-0222-14	CAUTION CARD	UE	
--			B58-0223-04	CAUTION CARD	U	
--			B58-0245-23	CAUTION CARD	E	
--			B58-0269-04	CAUTION CARD	K	
--			B59-0092-00	SERVICE DIRECTORY	UE	
△ C1	2B, 1D		C91-0647-05	CERAMIC 0.01UF P	KPUM	
△ C1	2B, 1D		C91-0647-05	CERAMIC 0.01UF P	UE	
△ 5	1C		E03-0058-05	AC INLET		
△ 6	1D		E03-0061-05	AC OUTLET	KPUM	
△ 6	1D		E03-0061-05	AC OUTLET	UE	
△ 7	1D		E30-0726-05	AC POWER CORD (INLET)	E	
△ 7	1D		E30-0728-05	AC POWER CORD (INLET)	T	
△ 7	1D		E30-0729-05	AC POWER CORD (INLET)	X	
△ 7	1D	*	E30-0852-05	AC POWER CORD (INLET)	KPUM	
△ 7	1D	*	E30-0852-05	AC POWER CORD (INLET)	UE	
--		*	H01-4906-04	ITEM CARTON CASE	T	
--		*	H01-4907-04	ITEM CARTON CASE	KPUM	
--		*	H01-4907-04	ITEM CARTON CASE	UE	
--		*	H10-1687-02	POLYSTYRENE FOAMED FIXTURE		
--		*	H10-1688-02	POLYSTYRENE FOAMED FIXTURE		
--			H20-0452-04	PROTECTION COVER		
--			H25-0078-04	PROTECTION BAG		
--			H25-0204-04	PROTECTION BAG		
8	3C, 3D		J02-0126-05	FOOT		
10	2A		K27-0869-04	KNOB (BUTTON)... TONE		
11	2A	*	K27-1013-04	KNOB (BUTTON)... POWER		
12	3B	*	K27-1014-04	KNOB (BUTTON)... LOUDNESS, ETC..		
13	3A	*	K29-1302-14	KNOB... VOLUME		
14	3A	*	K29-1303-04	KNOB... SELECTOR		
15	3A	*	K29-1304-04	KNOB... TONE, BALANCE		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

△ indicates safety critical components.

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UE: AAFES (Europe)

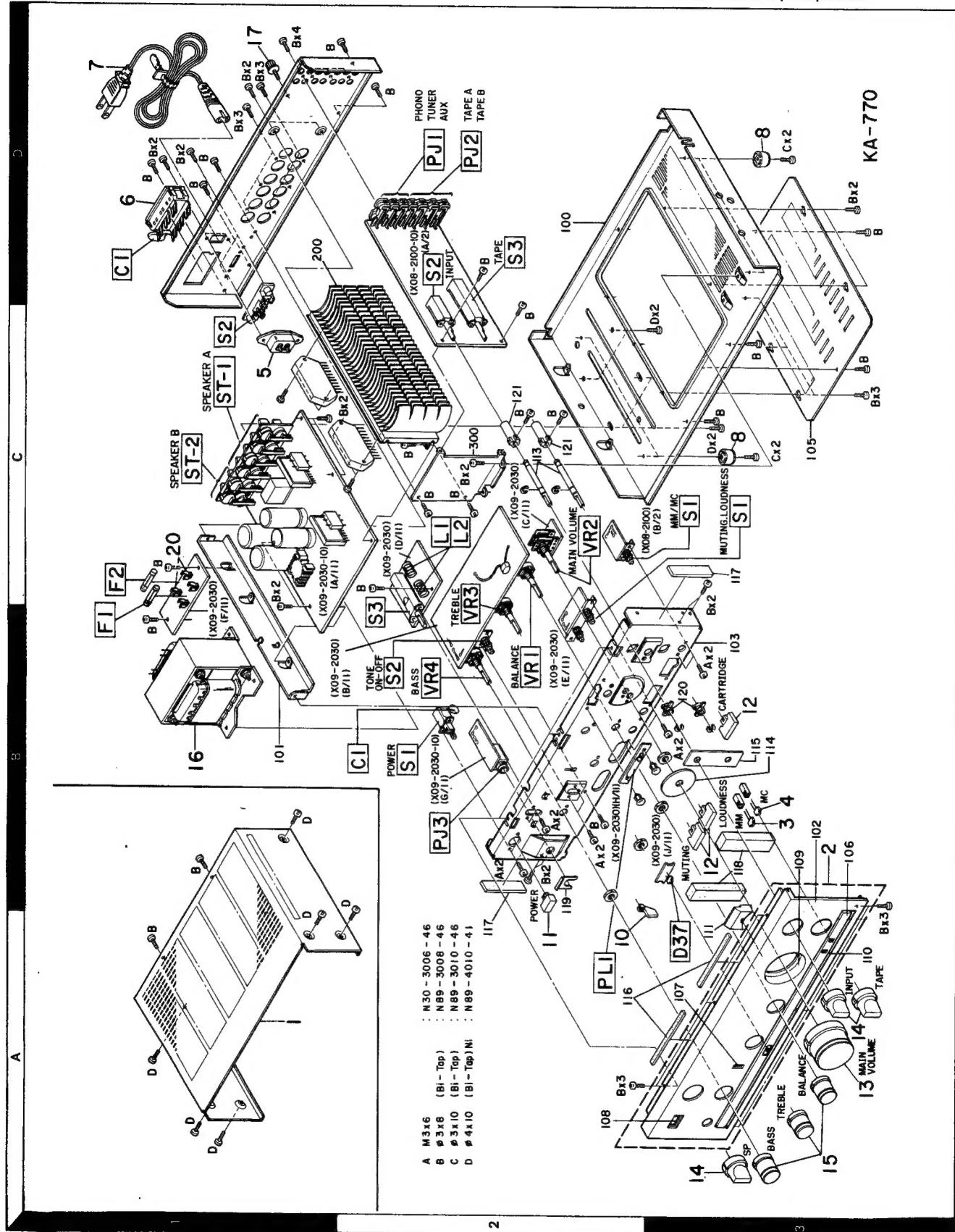
X: Australia

M: Other Areas

KA-770

EXPLODED VIEW

**Exploded view No. 100 ~ 300 are not supplied.
▲ indicates safety components.**



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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格				Desti- nation 仕向	Re- marks 備考			
△ C102-105 C106 C107,108	PJ3 ST-1 ST-2	* 2B 1C 1C	CE04FW1H3R3MEL C91-0647-05 CE04FW2A010MEL	ELECTRO	3.3UF	50WV		XTE				
				CERAMIC	0.01UF	P						
				ELECTRO	1.0UF	100WV						
△ F1 △ F1 △ F1 △ F2 △ F2	1C	* 1C 1C 1C 1C	E11-0131-05 E20-0818-05 E20-0451-05	PHONE JACK (HEADPHONE) SPEAKER TERMINAL (SPEAKER A) 8P SPEAKER TERMINAL (SPEAKER B) 4P				UMUE KP XTE UMUE XTE				
			F05-6021-05 F05-6027-05 F05-6321-05 F05-3022-05 F05-3121-05	FUSE	6A	250V						
				FUSE (UL)	6A	250V						
				FUSE (SEMKN)	6.3A	250V						
				FUSE	3A	250V						
△ F2	1C	* 1C	F06-3023-05	FUSE (SEMKN)	3.15A	250V		XTE				
				FUSE (UL)	3A	250V						
			20	J13-0041-05	FUSE CLIP				KPUM UE XTE			
			20	J13-0041-05	FUSE CLIP							
			21	J13-0054-05	FUSE CLIP							
L1 ,2			L39-0080-15	PHASE-COMPENSATION COIL								
R21 ,22			RD14GB2E561JTS	FL-PR00F RD	560	J	2E					
R35 ,38			RD14GB2E751JTS	FL-PR00F RD	750	J	2E					
R39 ,40			RS14GB3A822JMA	FL-PR00F RS	8.2K	J	3A					
R45 ,46			RD14GB2E181JTS	FL-PR00F RD	180	J	2E					
R47 ,48			RN14DK2E393JHD	RN	39K	J	2E					
R51 ,52			RD14GB2E330JTS	FL-PR00F RD	33	J	2E					
R53 ,54			RD14BB2E225JTS	RD	2.2M	J	2E					
R59 ,60			RD14BB2E680JTS	RD	68	J	2E					
R63 ,64			RD14BB2E751JTS	RD	750	J	2E					
R69 ,70			RD14GB2E6RBJTS	FL-PR00F RD	6.8	J	2E					
R71 ,74			RD14GB2E4R7JTS	FL-PR00F RD	4.7	J	2E					
R75 ,76			RD14GB2E6R8JTS	FL-PR00F RD	6.8	J	2E					
R79 ,80			R90-0187-05	MULTI-COMP	0.22X2	K	3H					
R97 ,98			RS14GB3D4R7JMA	FL-PR00F RS	4.7	J	3D					
R101,102			RS14GB3D470JMA	FL-PR00F RS	47	J	3D					
R103,104			RS14AB3A2R7J	FL-PR00F RS	2.7	J	3A	UMUE TE KP				
R103,104			RS14AB3A2R7J	FL-PR00F RS	2.7	J	3A					
R103,104			RS14GB3A2R7JMA	FL-PR00F RS	2.7	J	3A					
R107,108			RS14GB3D4R7JMA	FL-PR00F RS	4.7	J	3D					
R109,110			RS14GB3D561JMA	FL-PR00F RS	560	J	3D					
R115-118			RD14GB2E331JTS	FL-PR00F RD	330	J	2E					
R128			RD14GB2E4R7JTS	FL-PR00F RD	4.7	J	2E					
R129			RS14AB3A561J	FL-PR00F RS	560	J	3A	UMUE TE				
R129			RS14AB3A561J	FL-PR00F RS	560	J	3A					
R129			RS14GB3A561JMA	FL-PR00F RS	560	J	3A					
R130,131			RS14AB3A101J	FL-PR00F RS	100	J	3A					
R130,131			RS14AB3A101J	FL-PR00F RS	100	J	3A					
R130,131			RS14GB3A101JMA	FL-PR00F RS	100	J	3A					
R132			RS14AB3A392J	FL-PR00F RS	3.9K	J	3A	UMUE TE				
R132			RS14AB3A392J	FL-PR00F RS	3.9K	J	3A					
R132			RS14GB3A392JMA	FL-PR00F RS	3.9K	J	3A					
R133			RS14GB3A332JMA	FL-PR00F RS	3.3K	J	3A					
R134			RS14GB3D680JMA	FL-PR00F RS	68	J	3D					
R135			RS14GB3D560JMA	FL-PR00F RS	56	J	3D					
R136			RD14GB2E112JTS	FL-PR00F RD	1.1K	J	2E					
R138			RD14GB2E361JTS	FL-PR00F RD	360	J	2E					

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R139		*	RD14GB2E332JTS	FL-PROOF RD 3.3K J 2E		
R140			RD14GB2E4R7JTS	FL-PROOF RD 4.7 J 2E		
R141,142			RD14GB2E100JTS	FL-PROOF RD 10 J 2E		
VR1	2B		R06-5098-05	POT. (BARANCE 200KX2)...CLICK		
VR2	2C		R06-5087-05	POT. (MAIN VOLUME 100KX2)		
VR3 ,4	2B,2C	*	R06-3039-05	POT. (TONE 20KCX2)		
VR5 ,6			R12-4306-05	TRIMMING POT. (IDLE 50K)		
RL1			S51-2045-05	MAGNETIC RELAY		
S1	3C	*	S42-2098-05	PUSH SWITCH (LOUD. MUTE)		
S2	2B	*	S40-2186-05	PUSH SWITCH (TONE ON/OFF)		
S3	2B,2C	*	S29-6008-05	ROTARY SLIDE SWITCH (SP. SEL.)		
D1 ,2			1S1555	DIODE		
D1 ,2			1S2076	DIODE		
D3 ,4			1S1555	DIODE		
D3 ,4			1S2076	DIODE		
D7 -10			RU4Z	DIODE		
D11 ,12			1S2076A	DIODE		
D13 -16			W06B	DIODE		
D21 -24			S3V20	DIODE		
D25			W06B	DIODE		
D28			VD6C	DIODE		
D29			M4C-52-12*1	DIODE		
D30 ,31			1S2076A	DIODE		
D32 ,33	*		RD16F(B1)	ZENER DIODE		
D34			RDS.6J(B2)	ZENER DIODE		
D35			RD24J(B2)	ZENER DIODE		
D36			RD20J(B2)	ZENER DIODE		
IC1 ,2			TA2040	IC (BUFFER,FINAL)..HYBRID		
IC3 ,4			TA2030	IC (DRIVER)..HYBRID		
IC5			UPC1237H	IC (PROTECTION)		
Q1 -4			2SC1845(F,E)	TRANSISTOR (1ST DEF. AMP)		
Q5 -8			2SA988	TRANSISTOR (2ND DEF. AMP)		
Q9 ,10			2SA1124(Q,R,S)	TRANSISTOR (CURRENT MIRROR)		
Q11 -14			2SC2632(Q,R,S)	TRANSISTOR (3RD DEF. AMP)		
Q15 ,16			2SA733(A)(Q,P)	TRANSISTOR (CURRENT LIMITER)		
Q15 ,16			2SA999(E,F)	TRANSISTOR (CURRENT LIMITER)		
Q17 ,18			2SC2631(Q,R,S)	TRANSISTOR (CURRENT LIMITER)		
Q19 ,20			2SC2320(E,F)	TRANSISTOR (CURRENT DETECT)		
Q19 ,20			2SC945(A)(Q,P)	TRANSISTOR (CURRENT DETECT)		
Q21 ,22			2SA733(A)(Q,P)	TRANSISTOR (CURRENT DETECT)		
Q21 ,22			2SA999(E,F)	TRANSISTOR (CURRENT DETECT)		
Q23			2SA988	TRANSISTOR (OVER LOAD DETECT)		
Q24			2SK105(H)	FET (REGULATOR)		
Q24	*		2SK105A(2,3)	FET (REGULATOR)		
Q24	*		2SK163(K2,L1)	FET (REGULATOR)		
Q24			2SK301(Q)	FET (REGULATOR)		
Q25	*		2SD571	TRANSISTOR (REGULATOR)		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

△ indicates safety critical components.

S: South Africa

T: England

U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia

M: Other Areas

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格			Desti- nation 仕向	Re- marks 備考
Q9 ,10 Q11 ,12 Q11 ,12			2SK301(Q) 2SK163(M,N) 2SK301(S)	FET FET FET				
AUDIO UNIT (X09-2030-10)								
D37 PL.1	3A 2A	*	B30-0792-05 B30-0769-05	LED (POWER) LAMP (VOLUME)				
C1 ,2 C3 ,4 C5 ,6 C7 ,8 C7 ,8			CC45FSL1H101J CQ93FM1H273J CEO4FW1HR33MEL CK45FB1H122K CK45FB1H122K	CERAMIC MYLAR ELECTRO CERAMIC CERAMIC	100PF 0.027UF 0.33UF 1200PF 1200PF	J J 50WV K K	KPUM UE	
C7 ,8 C9 ,10 C11 ,12 C13 ,14 C15 ,16		*	CK45FB1H152K CC45FSL1H470J CEO4FW0J221MEL C91-0088-05 CC45FSL1H390J	CERAMIC CERAMIC ELECTRO POLYSTY CERAMIC	1500PF 47PF 220UF 100PF 39PF	K J 6.3WV K J	XTE XTE	
C17 ,18 C19 ,20 C21 -24 C25 ,26 C27 ,28		*	CC45FSL1H180J CC45FSL1H100D CEO4FW2A010MEL CC45FSL1H221J CC45FSL2H100D	CERAMIC CERAMIC ELECTRO CERAMIC CERAMIC	18PF 10PF 1.0UF 220PF 10PF	J D 100WV J D		
C29 -32 C33 ,34 C35 ,36 C37 ,38 C39 ,40			CK45FB1H331K CEO4HW1E100MEL CQ93FM1H223J CQ93FM1H104J CQ93FM1H222J	CERAMIC NP-ELEC MYLAR MYLAR MYLAR	330PF 10UF 0.022UF 0.10UF 2200PF	K 25WV J J J		
C41 ,42 C43 ,44 C45 ,46 C47 ,48 C49 ,50			CQ93FM1H123J CQ93FM1H473J CQ93FM1H224J CQ93FM1H334J CEO4FW1A220MEL	MYLAR MYLAR MYLAR MYLAR ELECTRO	0.012UF 0.047UF 0.22UF 0.33UF 22UF	J J J J 10WV		
C51 ,52 C53 ,54 C55 ,56 C57 ,58 C57 ,58		*	CEO4W2A010MEL CK45FB2H222K CK45FB1H471K CQ93FM1H153K CQ93FM1H153K	ELECTRO CERAMIC CERAMIC MYLAR MYLAR	1.0UF 2200PF 470PF 0.015UF 0.015UF	100WV K K K K	KPUM UE	
C57 ,58 C59 ,60 C61 ,62 C71 -74 C75 ,76			CQ93FM1H333K CQ93FM1H333K CQ93FM1H473K CK45FB1H472K CEO4HW1H4R7MEL	MYLAR MYLAR MYLAR CERAMIC NP-ELEC	0.033UF 0.033UF 0.047UF 4700PF 4.7UF	K K K 50WV XTE	XTE XTE XTE	
C77 ,78 C81 ,82 C83 ,84 C85 ,86 C87		*	CC45FSL1H101J C90-1265-05 C90-1266-05 CEO4FW1H331MEL CEO4FW2A4R7MEL	CERAMIC ELECTRO ELECTRO ELECTRO ELECTRO	100PF 7500UF 6800UF 330UF 4.7UF	J 71WV 42WV 50WV 100WV		
C88 C89 -93 C94 C95 C96		*	CEO4FW1H101MEL CK45E2H103P CEO4FW1A220MEL CEO4HW1A220MEL CEO4FW1V4R7MEL	ELECTRO CERAMIC ELECTRO NP-ELEC ELECTRO	100UF 0.01UF 22UF 22UF 4.7UF	50WV P 10WV 10WV 35WV		
C97 C98 ,99 C100,101		*	CEO4FW1C470MEL CEO4FW2A101MEL CEO4FW1H010MEL	ELECTRO ELECTRO ELECTRO	47UF 100UF 1.0UF	16WV 100WV 50WV		

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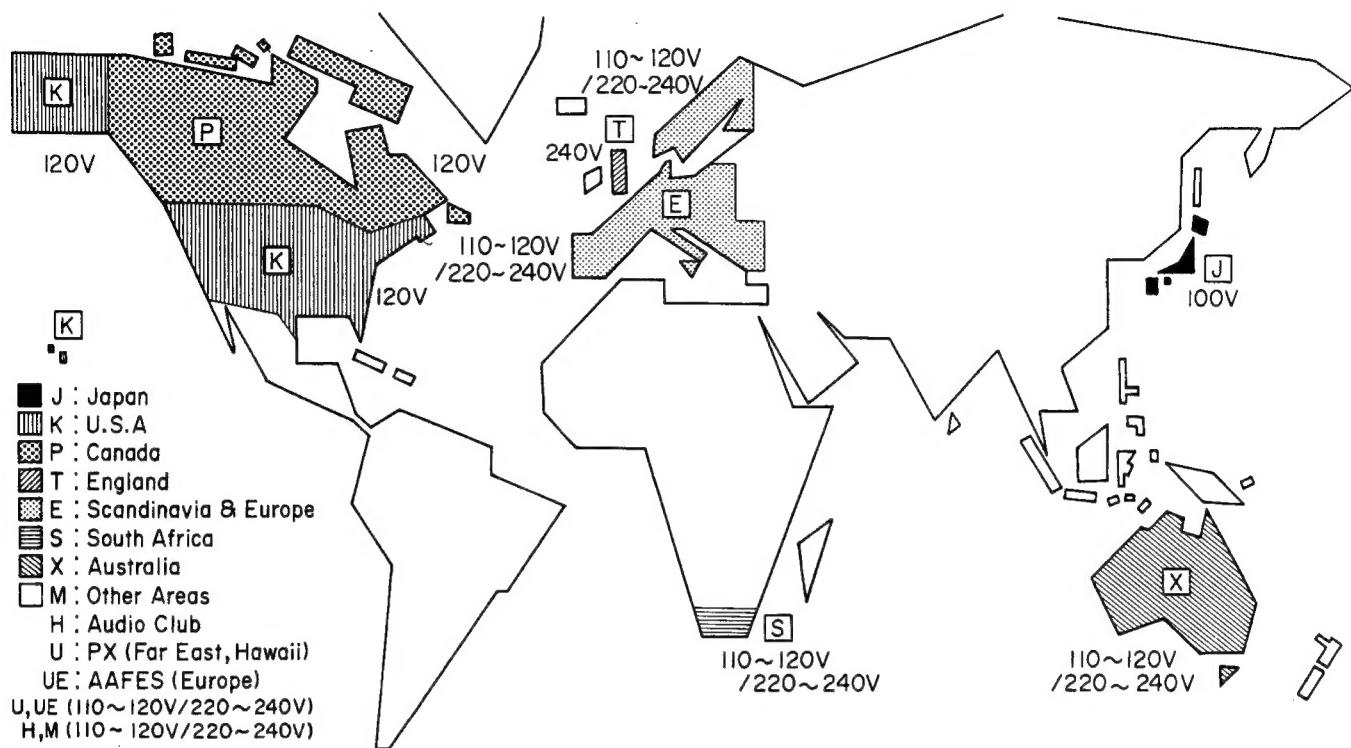
P: Canada

△ indicates safety critical components.

UE: AAFES(Europe)

X: Australia M: Other Areas

WORLD MAP & AREA CODE

**Note:**

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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